

FIG. 1

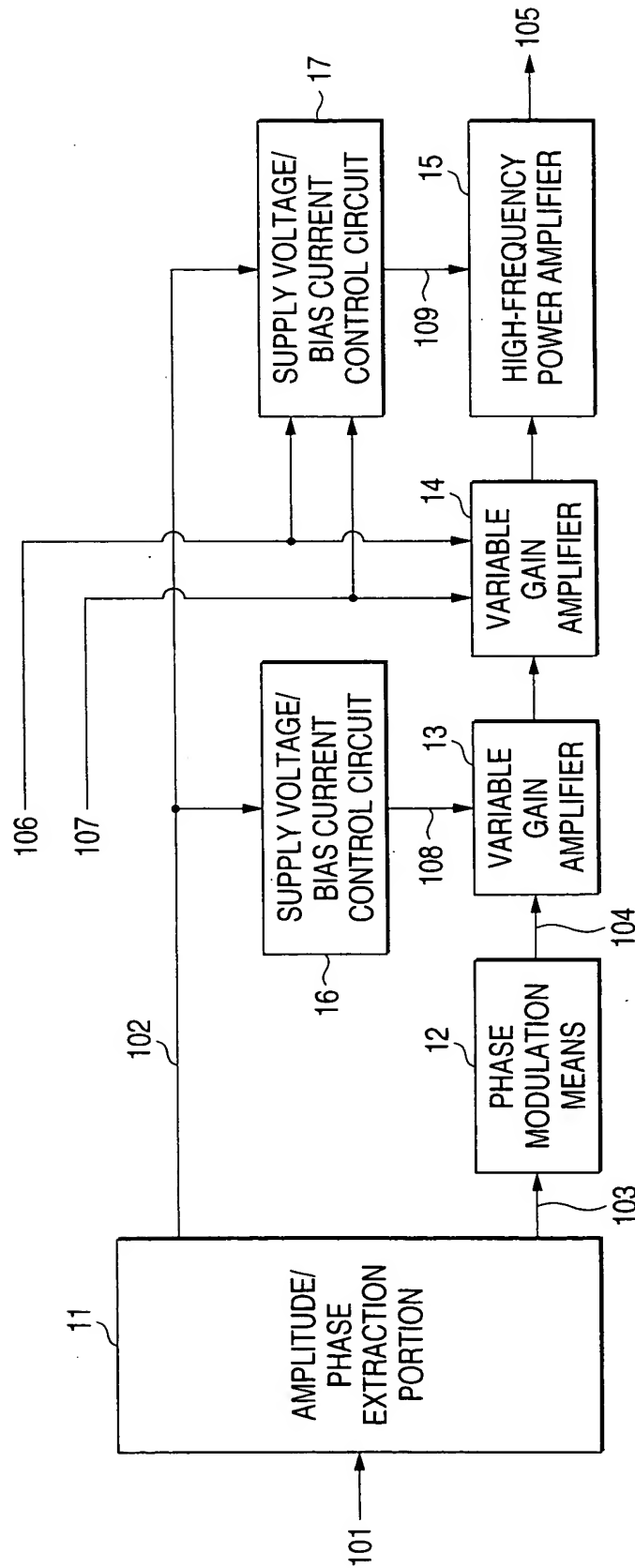
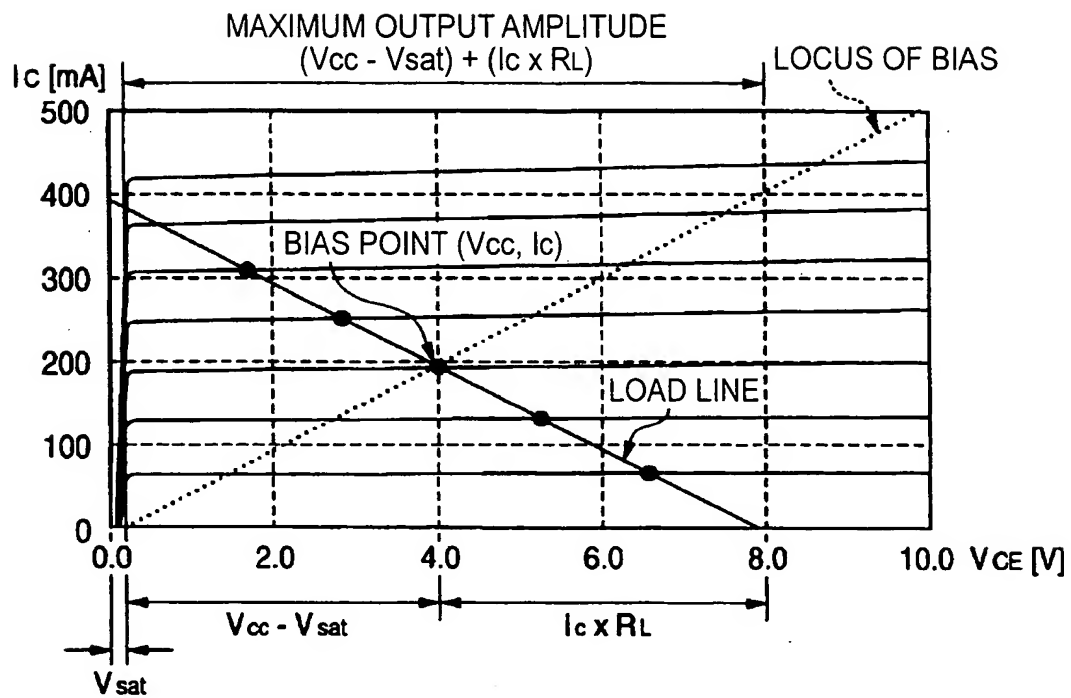


FIG. 2



REPLACEMENT SHEET

Customer No.: 052054

Application No.: 10/529,538

Filed: March 29, 2005

Atty. Docket No.: 38037

3/9

FIG. 3

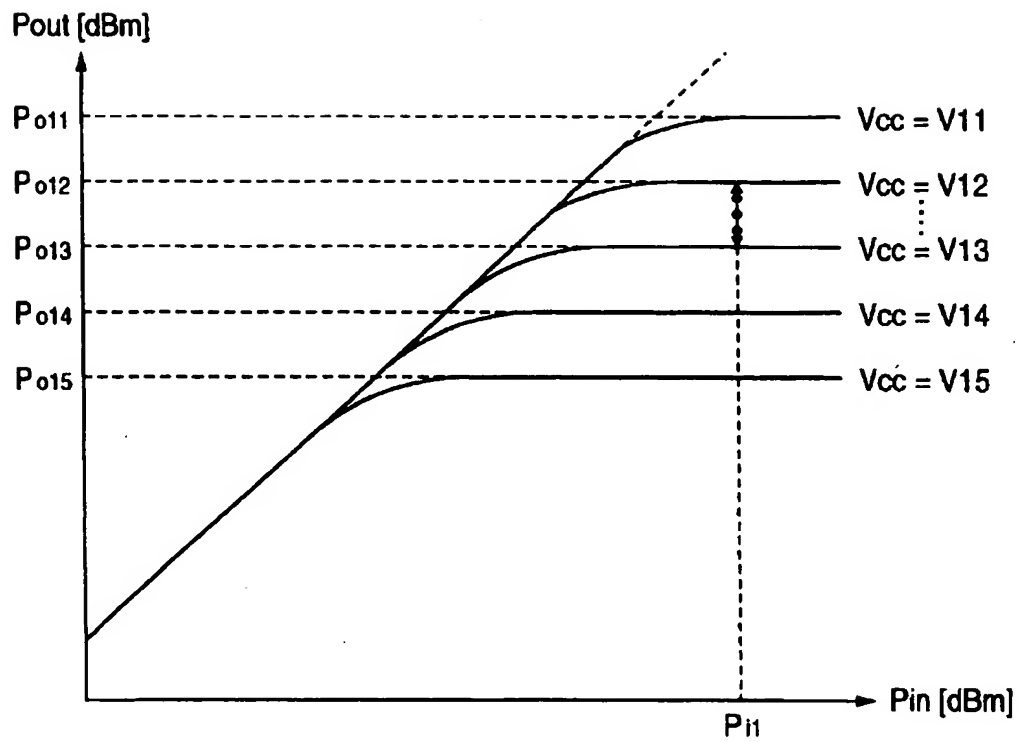


FIG. 4

TIME	LINER OPERATING MODE			SATURATION OPERATING MODE		
	GAIN OF VARIABLE GAIN AMPLIFIER 14	VOLTAGE OF SUPPLY VOLTAGE/BIAS CURRENT CONTROL CIRCUIT 17	CURRENT OF SUPPLY VOLTAGE/BIAS CURRENT CONTROL CIRCUIT 17	GAIN OF VARIABLE GAIN AMPLIFIER 14	VOLTAGE OF SUPPLY VOLTAGE/BIAS CURRENT CONTROL CIRCUIT 17	CURRENT OF SUPPLY VOLTAGE/BIAS CURRENT CONTROL CIRCUIT 17
t(1, 1)	g <sub>1</sub>	V <sub>1</sub>	I <sub>1</sub>	g <sub>1</sub> + α	V(1, 1)	I(1, 1)
t(1, 2)	g <sub>1</sub>	V <sub>1</sub>	I <sub>1</sub>	g <sub>1</sub> + α	V(1, 2)	I(1, 2)
t(1, 3)	g <sub>1</sub>	V <sub>1</sub>	I <sub>1</sub>	g <sub>1</sub> + α	V(1, 3)	I(1, 3)
t(1, 4)	g <sub>1</sub>	V <sub>1</sub>	I <sub>1</sub>	g <sub>1</sub> + α	V(1, 4)	I(1, 4)
t(1, 5)	g <sub>1</sub>	V <sub>1</sub>	I <sub>1</sub>	g <sub>1</sub> + α	V(1, 5)	I(1, 5)
t(1, 6)	g <sub>1</sub>	V <sub>1</sub>	I <sub>1</sub>	g <sub>1</sub> + α	V(1, 6)	I(1, 6)
⋮	⋮	⋮	⋮	⋮	⋮	⋮
t(n, 1)	g <sub>n</sub>	V <sub>n</sub>	I <sub>n</sub>	g <sub>n</sub> + α	V(n, 1)	I(n, 1)
t(n, 2)	g <sub>n</sub>	V <sub>n</sub>	I <sub>n</sub>	g <sub>n</sub> + α	V(n, 2)	I(n, 2)
t(n, 3)	g <sub>n</sub>	V <sub>n</sub>	I <sub>n</sub>	g <sub>n</sub> + α	V(n, 3)	I(n, 3)
t(n, 4)	g <sub>n</sub>	V <sub>n</sub>	I <sub>n</sub>	g <sub>n</sub> + α	V(n, 4)	I(n, 4)
t(n, 5)	g <sub>n</sub>	V <sub>n</sub>	I <sub>n</sub>	g <sub>n</sub> + α	V(n, 5)	I(n, 5)
t(n, 6)	g <sub>n</sub>	V <sub>n</sub>	I <sub>n</sub>	g <sub>n</sub> + α	V(n, 6)	I(n, 6)
⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 5

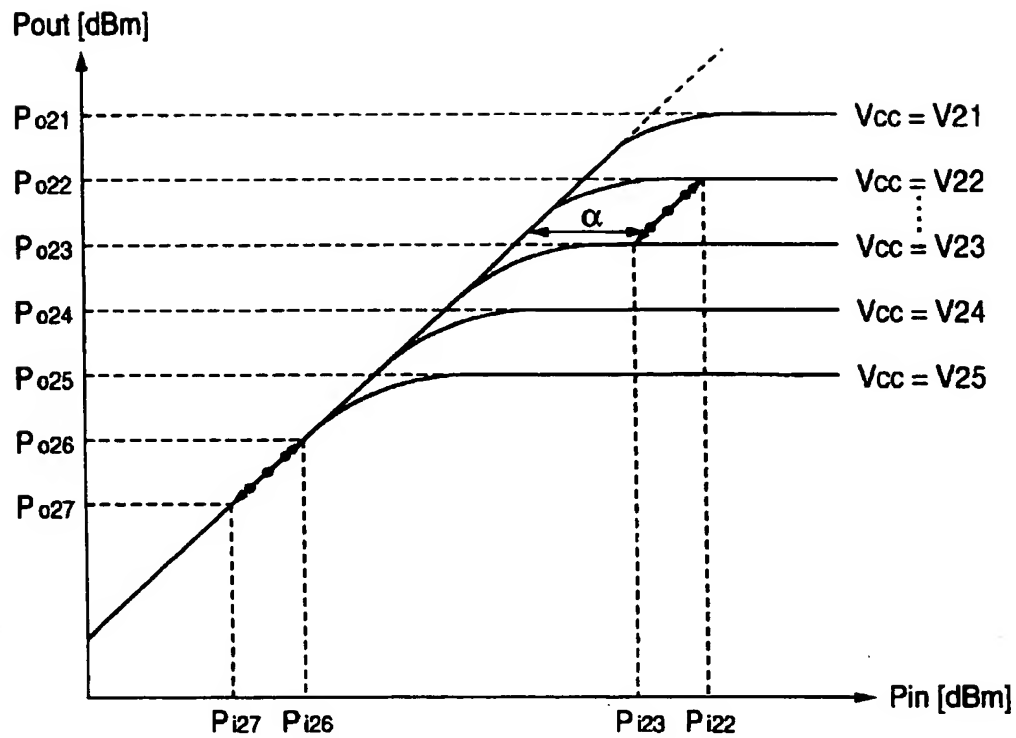


FIG. 6

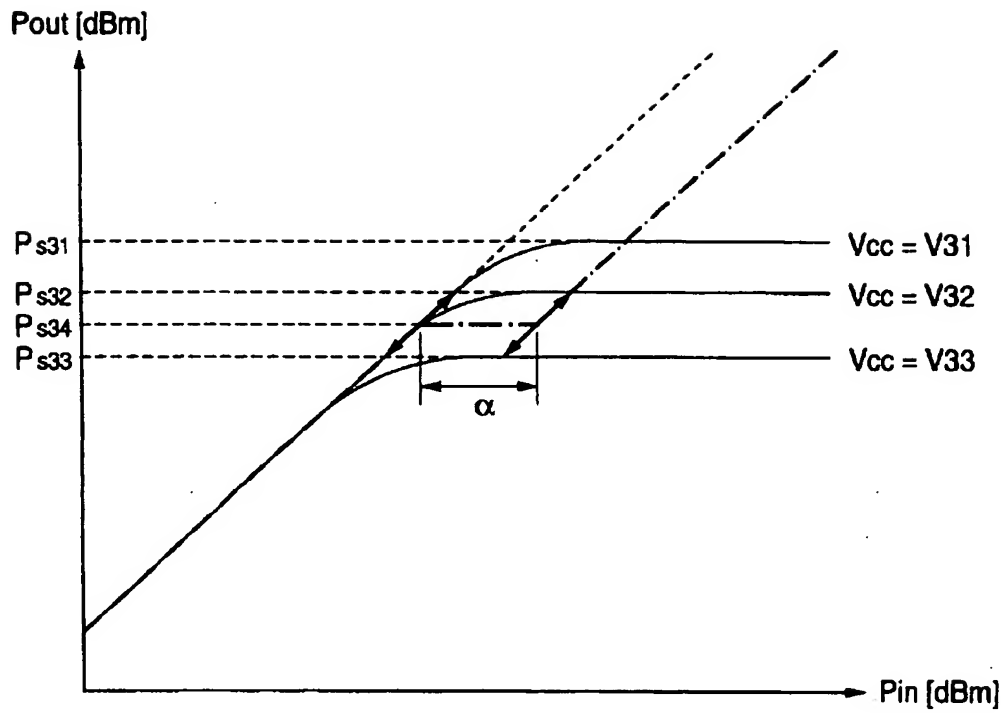


FIG. 7

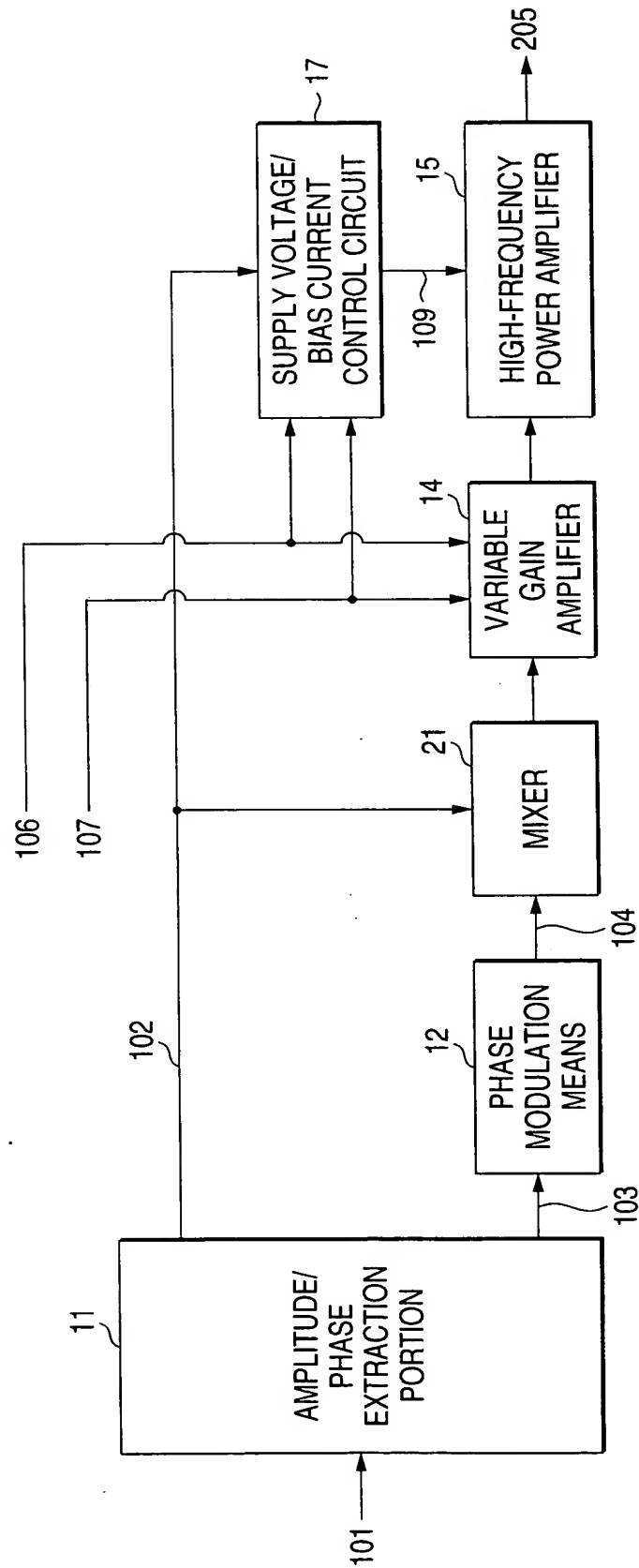
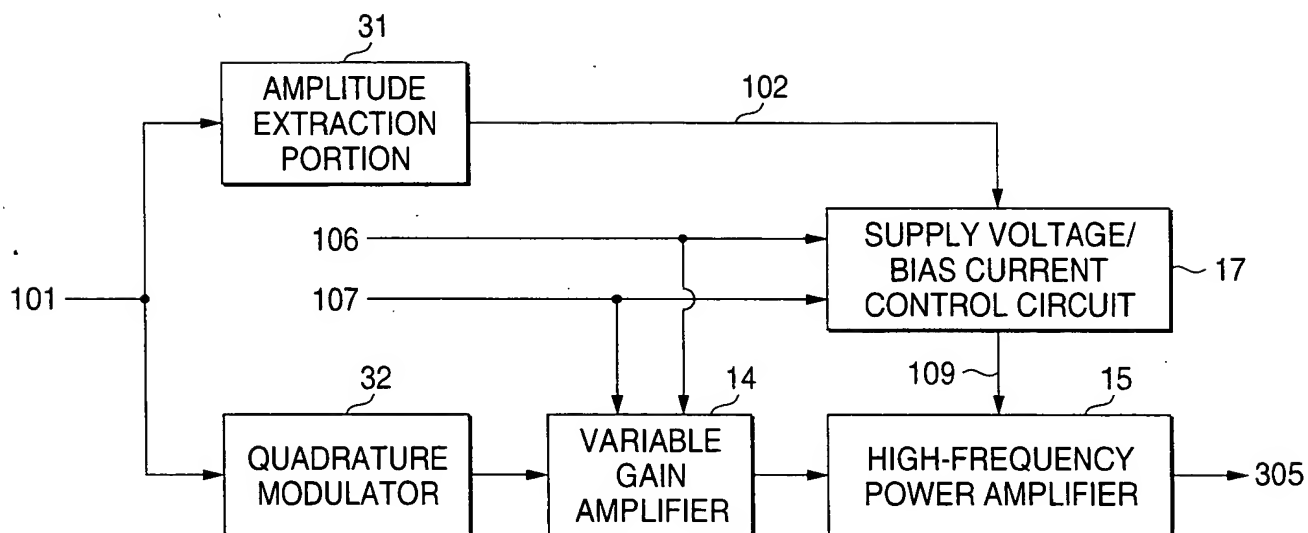


FIG. 8



REPLACEMENT SHEET

Customer No.: 052054

Application No.: 10/529,538

Filed: March 29, 2005

Atty. Docket No.: 38037

9/9

FIG. 9

